

S.W. SPERN

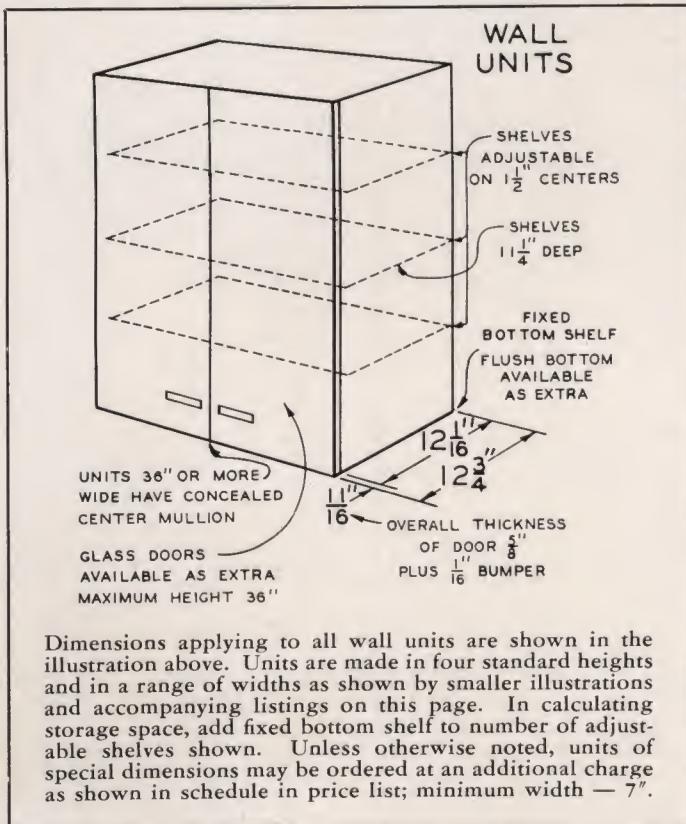
St. Charles CUSTOM-BUILT STEEL KITCHENS

DIMENSIONAL DETAILS - CONSTRUCTION - SPECIFICATIONS

Use of Prefix: Prefix E in catalog number indicates unit constructed with concealed stile and flush doors. Prefix A indicates unit constructed with $\frac{3}{4}$ " exposed stile with rabbeted inside edge.

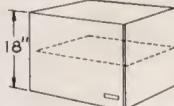
Use of L and R: Certain catalog numbers end with the letter L or R — meaning left or right as you face the unit. Unless otherwise specified, this designates door swing — L for door hinged at left,

R for door hinged at right. Always show final L or R in catalog number for a cupboard type unit up to and including 21" wide. This includes all wall and base units having one door and full height units having one door at top and one at bottom. Also, show L or R when required to show position or to locate dimensions of other elements.



Dimensions applying to all wall units are shown in the illustration above. Units are made in four standard heights and in a range of widths as shown by smaller illustrations and accompanying listings on this page. In calculating storage space, add fixed bottom shelf to number of adjustable shelves shown. Unless otherwise noted, units of special dimensions may be ordered at an additional charge as shown in schedule in price list; minimum width — 7".

18" HIGH — ONE ADJUSTABLE SHELF



Cat. No.	Width
E-2118 L	21
E-2118 R	21

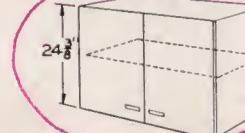


Cat. No.	Width
E-2418	24
E-2718	27
E-3018	30
E-3318	33
E-3618	36
E-3918	39
E-4018	40
E-4218	42

24 $\frac{3}{8}$ " HIGH — ONE ADJUSTABLE SHELF



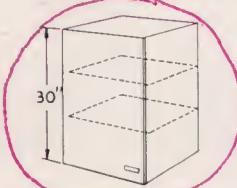
Cat. No.	Width
E-2124 L	21
E-2124 R	21



Cat. No.	Width
E-3024	30
E-3324	33
E-3624	36
E-3924	39
E-4024	40
E-4224	42

Specifications, dimensions & design subject to change without notice.

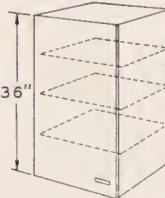
30" HIGH — TWO ADJUSTABLE SHELVES



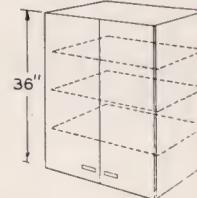
Cat. No.	Width
E-1530 L	15
E-1530 R	15
E-1830 L	18
E-1830 R	18
E-2130 L	21
E-2130 R	21

Cat. No.	Width
E-2430	24
E-2730	27
E-3030	30
E-3330	33
E-3630	36
E-3930	39
E-4030	40
E-4230	42

36" HIGH — THREE ADJUSTABLE SHELVES

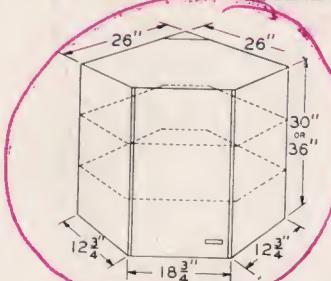


Cat. No.	Width
E-1536 L	15
E-1536 R	15
E-1836 L	18
E-1836 R	18
E-2136 L	21
E-2136 R	21

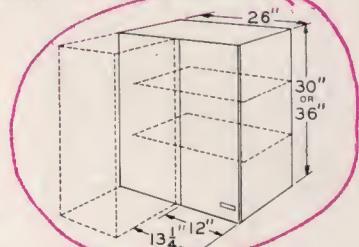


Cat. No.	Width
E-2436	24
E-2736	27
E-3036	30
E-3336	33
E-3636	36
E-3936	39
E-4236	42

CORNER WALL UNITS



Cat. No.	Height
A-30CW L	30
A-30CW R	30
A-36CW L	36
A-36CW R	36

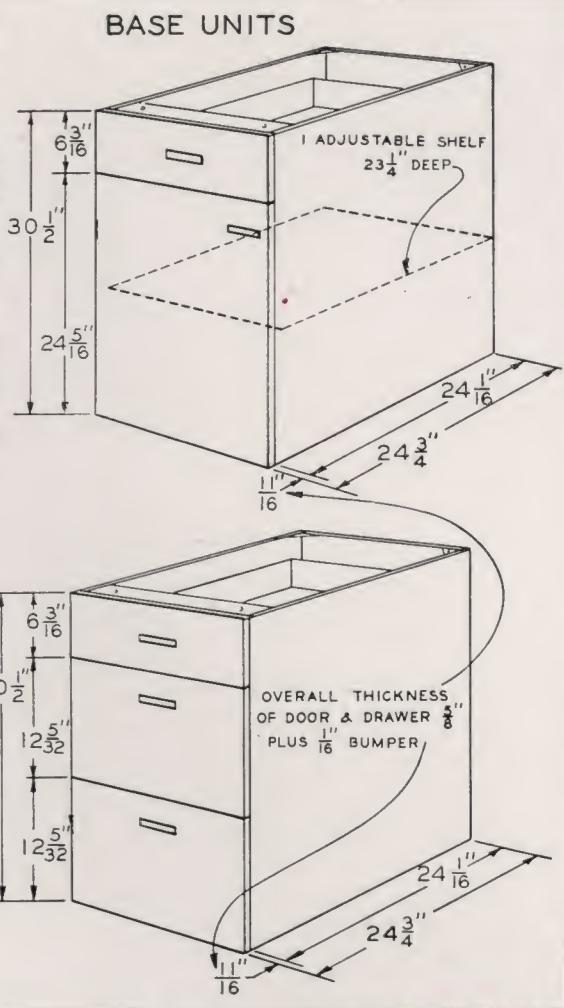
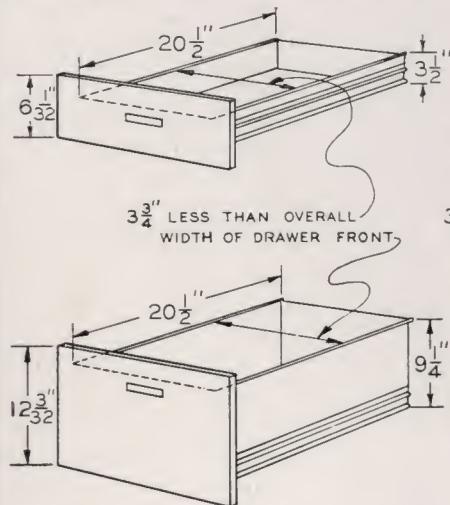


Cat. No.	Height
E-2630BFCW L	30
E-2630BFCW R	30
E-2636BFCW L	36
E-2636BFCW R	36

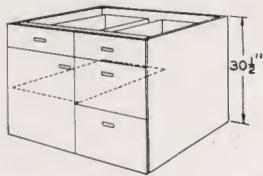
Makes available space in corners of L and U ensembles which would otherwise be inaccessible. Distance from face to rear of unit is approximately 21 $\frac{3}{4}$ ". Unit shown is 30" high with two adjustable shelves. Three adjustable shelves in 36" high unit. This unit includes flush bottom as standard. Made only in A construction with $\frac{3}{4}$ " exposed stile. Available only in dimensions shown.

Provides somewhat less overall storage space than the diagonal unit. No offset furnished or required. L or R indicates location of door hinges and blank front. Unit shown is L. In unit with final letter R (door hinged at right) position of door and blank front are reversed; blank front adjoins elevation at right. Door always hinged next to blank front. Unit shown is 30" high with two adjustable shelves; three adjustable shelves in 36" high unit. Available only in dimensions shown.

Standard dimensions of cupboard and drawer units shown in large illustrations in this box. Door and drawer heights include necessary clearances, therefore are slightly more than actual dimensions. Widths and various types are shown in smaller illustrations and accompanying listings on this page. Unless otherwise noted, units of special dimensions may be ordered at an additional charge as shown in schedule in price list: minimum width 9"; with full height doors 7". All base units furnished without sub base or counter, unless otherwise specified. Two 6" drawers may be substituted for one 12" drawer at additional cost. Marbleized ivory bottom lining (linowall only) available for drawers. Units 36" or more will have concealed center mullion. Standard drawers may be equipped with three point roller bearing slides at additional cost. (See page 12.)



CUPBOARD AND DRAWER COMBINATIONS



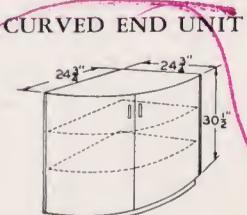
Cat. No.	Width
E-36CD L	36
E-36CD R	36
E-42CD L	42
E-42CD R	42

L or R indicates cupboard position. Unit shown is L. Door hinged on outside edge only. Made only in dimensions shown



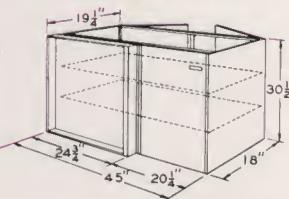
E-30CBD L	30
E-30CBD R	30

Two 6" drawers and one 12" drawer. Cupboard space below. L or R designates position of deep drawer. Unit shown is R. One 12" drawer may be substituted for two 6" drawers at no extra cost. Made only in dimensions shown



A-24 3/4 CEB 24 3/4 Radius 24 3/4". Includes sub base, but not counter top. Note: allow 25 1/4" wall space for unit to permit normal overhang of counter at end. Made only in A construction with 3/4" exposed stile. Made only in dimensions shown.

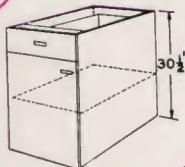
DIVIDER UNIT



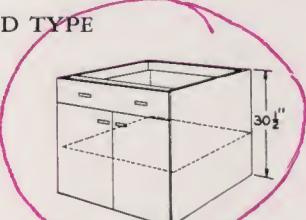
*A-45DC L
A-45DC R

For use between kitchen and dining space, one door facing kitchen, two doors facing dining space. Because of offset panel, may be used at end of elevation without corner base filler. Made only in A construction with 3/4" exposed stile. Made only in dimensions shown. End shelves BHL are often used to finish off end of this unit. See note, page 3, regarding omission of offset panel.

CUPBOARD TYPE



Cat. No.	Width
E-15C L	15
E-15C R	15
E-18C L	18
E-18C R	18
E-21C L	21
E-21C R	21



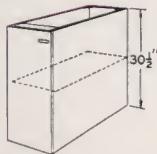
Cat. No.	Width
E-24C	24
E-27C	27
E-30C	30
E-33C	33
E-36C	36
E-42C	42

DRAWER TYPE



Cat. No.	Width
E-15D	15
E-18D	18
E-21D	21
E-24D	24
E-27D	27
E-30D	30

WITH FULL HEIGHT DOORS



To accommodate mixers and other extra tall objects.

E-12CF L	12
E-12CF R	12

E-24CF

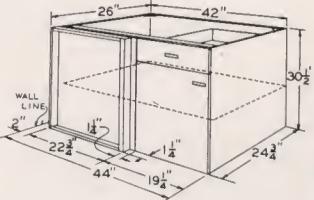
24

E-36D 36

Consists of two 18" drawer sections in one unit.

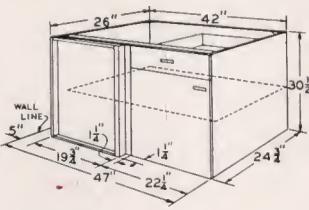
CORNER BASE UNIT

Fits into U or L ensemble, making available otherwise "dead" space in corner. Because of offset panel, this unit requires no corner filler. Made only in one width — 42". Numeral in catalog number shows overall space required.



Overall Space
Cat. No. Width Needed
*E-44 CBC L 42 44
E-44 CBC R 42 44

2" must be left between end of unit and wall. *Made only in dimensions shown.* Exposed face: 19 1/4"; door and drawer 18".



*E-47 CBC L 42 47
E-47 CBC R 42 47

5" space must be left between end of unit and wall. *Made only in dimensions shown.* Exposed face 22 1/4"; door and drawer — 21". See also swing shelf corner base unit in next column.

Note: In above CBC units and in DC unit on opposite page *indicates unit illustrated (door hinged at left). Required when elevation adjoining offset panel is at left. For use with adjoining elevation at right, R unit (door hinged at right) is required, with position of door and panel reversed. Door always hinged next to panel.

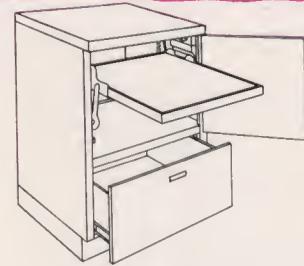
Note: Offset panel may be omitted from Divider Unit and Corner Base Unit and replaced by flush front, if desired, to meet various conditions. Example: if a CBC is used in a corner with range or other appliance adjoining on other elevation. In this case scribing filler must be ordered to fit space between end of unit and wall. Example: if desired to have end of CBC or DC farther from wall than standard distance. Whenever flush front is used, and units on other elevation adjoin at any point, intermediate base filler at least 1 1/4" wide must be used between DC or CBC and adjoining unit.

These are complete units, except that they are furnished without sub base and counter top, except for Planning Desk (See illustration and description). Standard dimensions of base units apply unless otherwise indicated. Unless otherwise noted, numeral in catalog number indicates width. Available only in these sizes. Not available in special dimensions.



E-47 SSCB L
E-47 SSCB R

Swing shelf corner base unit. A 47" CBC unit with two semi-circular shelves below instead of usual cupboard. Each shelf is attached to door 12" high which is hinged at inside edge. When opened, shelf rolls out, bringing front half (quarter circle) entirely into open and rear half readily accessible. Outer edge of shelf travels on three rubber covered rollers. Two are in bottom of each shelf. One roller in cross rail under upper shelf and one in bottom of unit for lower shelf, providing ample support for shelves in any position. Numeral in catalog number indicates overall space needed. Actual width 42". Unit illustrated has doors hinged at right for use with adjoining elevation at right.

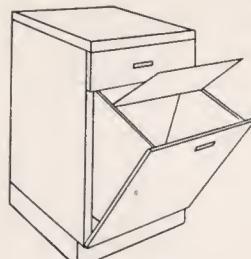


E-21 MU L
E-21 MU R

Mixer Unit. A 21" base unit with cupboard at top, 12" drawer at bottom. Sliding platform pulls out and elevates to 29 1/2" work height when used with 4" sub base. Platform extends to 13". Platform covered with linoleum or Vinyl only. Specify material and color. Maximum height of mixer accommodated 14".

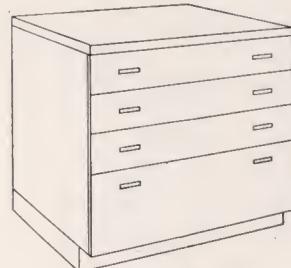
Wiring: Locate BX in wall behind unit 2" from right side and 32 1/2" from floor. Leave about 2 1/2 ft. of cable projecting from wall. Connect to box in front of mixer unit.

SPECIAL PURPOSE UNITS



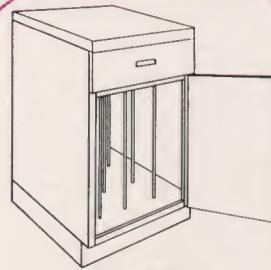
E-15 TFB

Tilting Flour Bin. A 15" base unit having tilting door below shallow drawer to which bin is attached. Removable tinned insert fits in bin. Capacity 52 lbs.



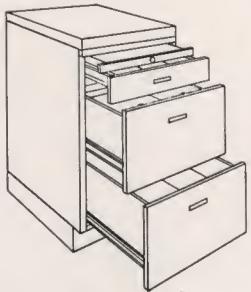
E-33 LS

Linen Storage Unit. Three 6" drawers, one 12" drawer in 33" base unit. Drawers equipped with roller bearings.



E-15 SLU

Soiled Linen Unit. Same as unit above except with ventilating louvers in tilting door and without tinned insert.



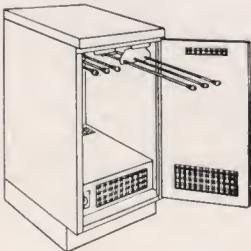
E-18 TS L
E-18 TS R

Tray Storage Unit. 18" base fitted with three rows of removable, aluminum 3/8" rods. Removable lino wall bottom lining.



A-42 PD L
A-42 PD R

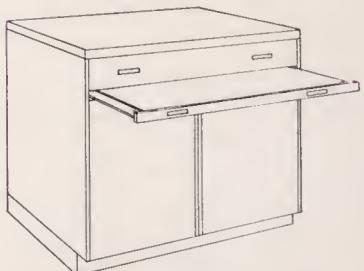
Planning Desk. Height 30". Deep drawer section 18" wide; shallow drawer section 24" wide. Linoleum or Vinyl top included. Specify material and color. Back splash available if ordered. Chrome tubular legs. Back unfinished. L or R in catalog number indicates position of deep drawer section.



E-15 TD L
E-15 TD R

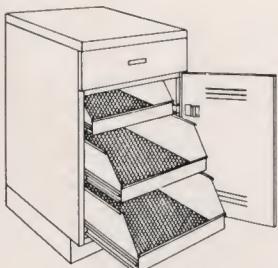
Towel Drier. A 15" base unit with full height door. Cupboard compartment contains six rubber tipped sliding rods of anodized aluminum. Grille inserts in door. Blower and 500 watt heating element enclosed at bottom. Timer may be set to turn off current after any interval desired up to one hour.

Wiring: Bring BX up through floor behind front of sub base beneath unit to a distance of at least 2 ft. Insert BX through opening in bottom of unit and attach to timer on inside of towel drier, — white wire to motor and heater; black wire to timer.



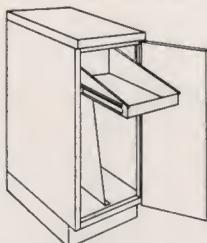
A-36STS
Sliding Table Unit. 36" cupboard unit with single shallow drawer. Shelf is on wood core, covered with linoleum or Vinyl only. Depth of shelf fully extended, 18 1/2" from face of unit. Specify material and color. Stainless steel edging. Shelf removable. (Made only in A construction with 3/4" exposed stile.)

SPECIAL PURPOSE UNITS — CON'T.



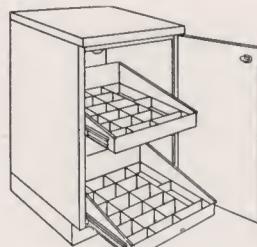
§E-18 VS L
§E-18 VS R

Vegetable Storage Unit. Three sliding ventilated trays in 18" cupboard unit. One drawer in top.



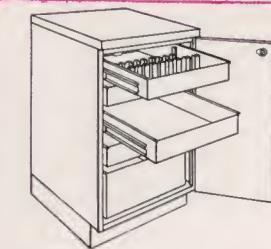
§E-12 HU L
§E-12 HU R

Handy Unit. A 12" base unit with full height door, with 20" high tray storage panel (TSP) in bottom and sliding shelf (BSS) above. Linowall lining in bottom of unit.



§E-18BSU L
§E-18BSU R

Bottle Storage Unit. An 18" base unit with full height door, with two sliding shelves, each with wooden insert containing compartments for seventeen bottles; three compartments for storage of bottle openers and other small accessories. Door fitted with tumbler lock. Clearance of top shelf $15\frac{7}{8}$ "; of bottom shelf $12\frac{1}{8}$ ". Maximum diameter of bottle accommodated, $3\frac{7}{16}$ ".



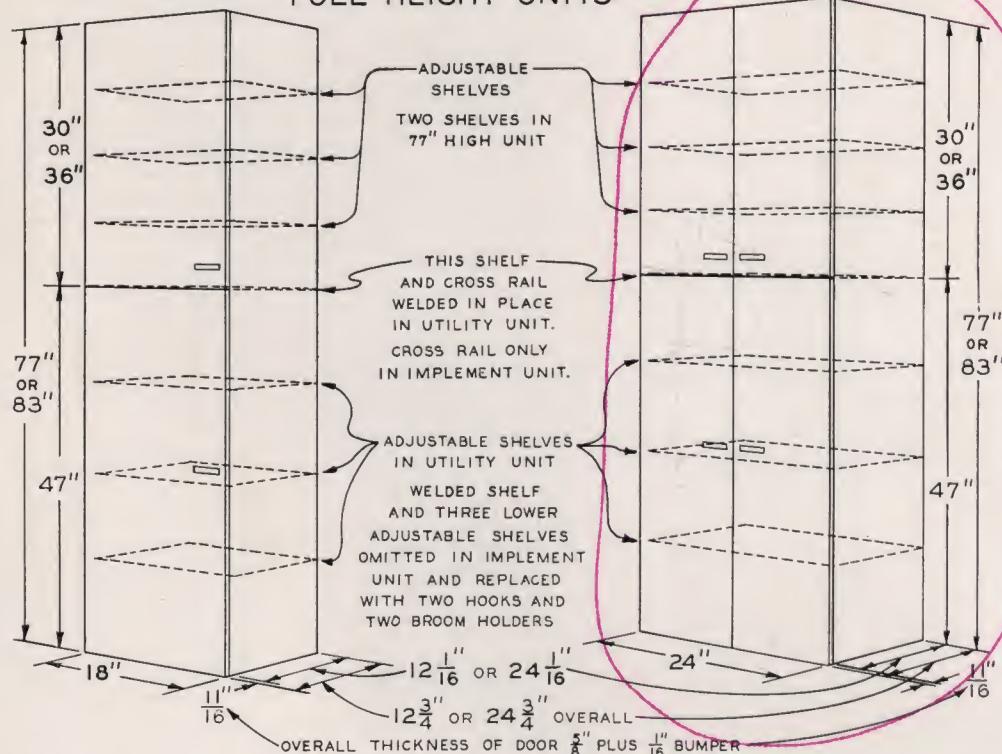
§E-18 SS L
§E-18 SS R

Silver Storage Unit. An 18" base unit with full height door with five specially constructed sliding shelves. Two upper shelves fitted with inserts for silverware with lining and covers of tarnish-proof cloth. Three lower shelves completely lined with tarnish proof silver cloth for larger pieces, and equipped with silver cloth cover 21" x 30". Door fitted with tumbler lock.

Note — When units incorporating sliding shelf are used in corner in L or U arrangement, order CBF with 2" offset between

unit and corner to permit full opening of door for operation of sliding shelf.

FULL HEIGHT UNITS



Sub base not included. Unless otherwise noted, units of special dimensions may be ordered at additional cost as shown in schedule in price list. Standard lower door is 47" high. When special heights are ordered, specify height of lower door. Final numeral 1 indicates unit $12\frac{3}{4}$ " deep; 2 indicates unit $24\frac{3}{4}$ " deep.

UTILITY STORAGE

Cat. No.	Width
$12\frac{3}{4}$ " Deep — 77" High	
E-1877-1-U L	18
E-1877-1-U R	18
E-2477-1-U	24
$12\frac{3}{4}$ " Deep — 83" High	
E-1883-1-U L	18
E-1883-1-U R	18
E-2483-1-U	24
$24\frac{3}{4}$ " Deep — 77" High	
E-1877-2-U L	18
E-1877-2-U R	18
E-2477-2-U	24
$24\frac{3}{4}$ " Deep — 83" High	
E-1883-2-U L	18
E-1883-2-U R	18
E-2483-2-U	24

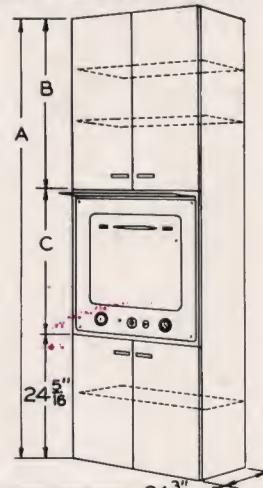
IMPLEMENT STORAGE

Cat. No.	Width
$12\frac{3}{4}$ " Deep — 77" High	
E-1877-1-I L	18
E-1877-1-I R	18
E-2477-1-I	24
$12\frac{3}{4}$ " Deep — 83" High	
E-1883-1-I L	18
E-1883-1-I R	18
E-2483-1-I	24
$24\frac{3}{4}$ " Deep — 77" High	
E-1877-2-I L	18
E-1877-2-I R	18
E-2477-2-I	24
$24\frac{3}{4}$ " Deep — 83" High	
E-1883-2-I L	18
E-1883-2-I R	18
E-2483-2-I	24

UTENSIL STORAGE

Cat. No.	Width
$24\frac{3}{4}$ " Deep — 77" High	
E-1877-2 UT L	18
E-1877-2 UT R	18
E-2477-2 UT	24
$24\frac{3}{4}$ " Deep — 83" High	
E-1883-2 UT L	18
E-1883-2 UT R	18
E-2483-2 UT	24

THERMADOR OVEN UNIT



A	B	C
77	$24\frac{3}{8}$	$28\frac{5}{8}$
83	30	$28\frac{1}{8}$

Cat. No.
E-2477-2 TO
E-2483-2 TO

Height
77
83

A specially designed full height unit with center section cut out for insertion of Thermador with broiler, or Thermador oven and broiler. Heights of sections shown are overall dimensions and include necessary clearances. Oven door opens 37" from floor. Illustration shows unit 83" high. Unit 77" high has one shelf in addition to bottom in upper storage compartment. Made only in dimensions shown. Thermador, not supplied by St. Charles, includes deflector above oven as integral part.

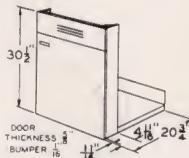
For data on Thermador Range Unit for surface cooking, see page 11.

ROUGHING IN FOR WIRING

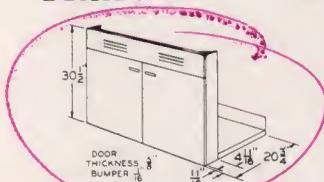
Locate outlet $3\frac{1}{2}$ " from floor and 5" in from right side of unit. Leave 60" of cable extending from outlet on wall. Make connections as given in instructions accompanying Thermador Oven.

SINK FRONTS WITH BOTTOM PLATES

Used to enclose space beneath sink. Fronts match other base units. Sink front must be as wide as or wider than bowl used, except that sink front used with stainless steel sink top must be at least 1" wider than bowl. Sides extend back 4" for attachment to adjoining units. Bottom plate is separate, but furnished with sink front and included with price shown in price list. Bottom plate has separate 4" upturn at back, bolted in position, ready for installation where pipes come through floor. If pipes come through wall, upturn may be detached and placed flat on sub base to fill space between main section of bottom plate and wall. Sink fronts of special dimensions may be ordered at additional cost as shown in schedule in price list. Sub base not included.



Cat. No.	Width
E-15SFB L	15
E-15SFB R	15
E-18SFB L	18
E-18SFB R	18
E-21SFB L	21
E-21SFB R	21

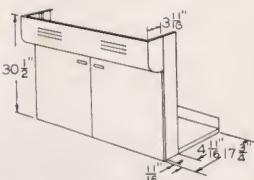


E-24SFB	24
E-27SFB	27
E-30SFB	30
E-33SFB	33
E-36SFB	36
E-42SFB	42

Sink fronts 36" and 42" wide have concealed center mullion. Sink fronts of special size over 30" will have visible center mullion.

Sink Front Return. Full depth base unit side replaces regular 4" sink front side. Specify right or left side.

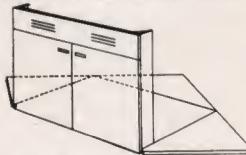
RECESSED SINK FRONT



E-24RSFB	24
E-27RSFB	27
E-33RSFB	33
E-36RSFB	36
E-42RSFB	42

GR, Refuse Receptacle, cannot be used with Recessed Sink Front.

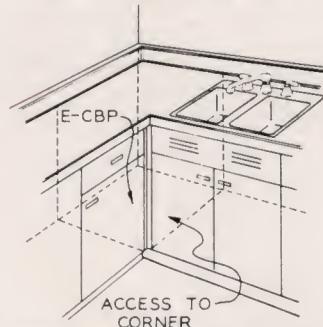
DIAGONAL SINK FRONT



E-24 ASFB	24
E-33ASFB	33

For use in corner on 45 degree angle. Includes four piece bottom plate. Installation requires two angle fillers (AIBF). See table under sub bases on next page for distance of units on adjoining elevation from corner.

CORNER BOTTOM PLATE



CBP — Bottom plate for installation in corner adjoining sink. Size is determined by width of offsets on corner base filler.

DISHWASHER FRONTS
Hotpoint dishwashers need no special front, being entirely self-contained for assembly with standard base units beneath continuous counter. When used in corner of L or U installation, use CBF (Corner Base Filler) with 2" offset exposed on adjoining elevation for clearance of handles on dishwasher front. When used with storage units having one of our standard exterior finishes other than white, dishwasher front and panels may be sent to factory for finishing in same color and at same time as storage units. Do not ship entire dishwasher — only panels and door front. Remove hardware before sending. Ship prepaid on receipt of acknowledgement copy of order and identify shipment by factory order number and name. (See "purchased parts" list at end of order.)

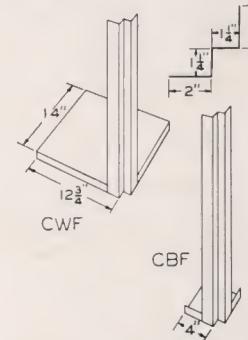
E-24 GEDF

Front for use with General Electric dishwasher. Same as standard sink front except no louvers in panel and bottom plate not included. If standard 21 x 24" bowl is used in sink top next to dishwasher, use 27" sink front next to dishwasher front instead of 24" front normally used with bowl of that size. Allow at least 24" between counter and wall units above for clearance of dishwasher lid. Specially constructed ring for top furnished by St. Charles. Dishwasher not supplied by St. Charles.

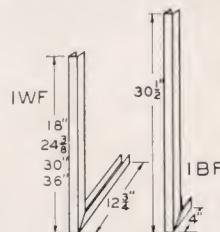
FILLERS AND PANELS

Because of varying dimensions of kitchens, it is often necessary to use fillers in order to permit use of standard size wall and base units. These fillers may be placed between side of a unit and the adjoining wall, between two units, or at corners in L or U kitchens where the standard corner unit is not used. Description and dimensions of fillers are shown below. When space to be filled is greater than maximum permitted width of fillers, order panels, specifying exact dimensions, both width and height.

one of standard widths listed, order next larger standard width and designate as "oversize" in order to facilitate checking top dimensions. Also show amount of oversize.

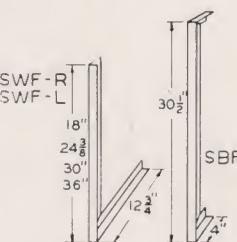


CWF — Corner Wall Filler. For use in wall units in L or U installations where corner space is left "dead." Standard offset 1 1/4". Other than standard offset at extra cost; specify exact width of each offset and designate as L and R to show left and right offset dimensions. Minimum offset 3/4". Bottom plate is included in price, but shipped as separate piece. If offset is other than standard, dimension of bottom plate on one or both walls will vary accordingly from those shown in illustration.



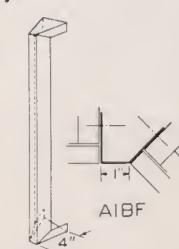
IWF — Intermediate Wall Filler. To take up space between two wall units. Any width from 3/4" to 4". Four standard heights. Specify exact height and width.

IBF — Intermediate Base Filler. To take up space between two base units or between unit and appliances. Any width from 3/4" to 4". Specify exact width.



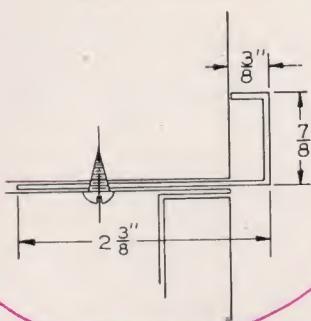
SWF-L; SWF-R — Scribing Wall Filler. To take up space between wall unit and wall. Scribing edge may be cut on the job to conform to plaster or other wall surface or scored into wall. Standard widths, 1/2", 1", 1 1/2", 2", 2 1/2", 3", 3 1/2", and 4". Four standard heights. Specify width and height. In ordering scribing wall fillers, designate by L if attached at left of unit as you face unit; R if attached at right. Filler shown is R.

SBF — Scribing Base Filler. For use between base unit or full height unit and wall. Required to keep drawer from scraping wall. If near door or window, be sure to allow for drawer clearance of door or window trim. Standard widths, 1/2", 1", 1 1/2", 2", 2 1/2", 3", 3 1/2", and 4". Specify width, and if used with full height units, specify height, 7 7/8", or 8 3/8". Scribing base filler has return at top and bottom; therefore may be attached at left or right of unit, as required. Note: **Oversize.** When space to be filled by scribing filler is not

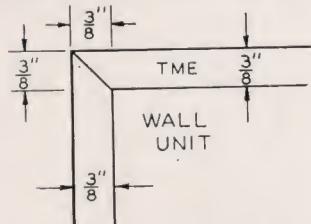


AIBF — Intermediate Base Filler. For use with sink front or base unit set in corner on diagonal. One side is bent at angle of 135° from front; other side 90°. Two required for each installation. May be used interchangeably, since each filler has return at top and bottom. Standard and minimum width 1". If wider filler is used with sink front, special sized bottom plates will be necessary. Bottom plate included with sink front.

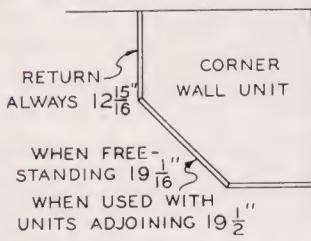
TRIM MOULDING



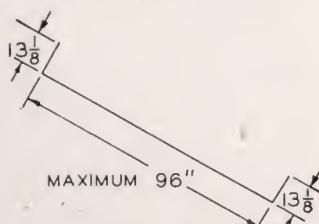
TME. Enamored Trim Moulding. For use at top of wall units between units and furring or between units and ceiling. Trim moulding is fabricated for fitting along front and around exposed sides of wall units. For any other corner condition, order separate pieces.



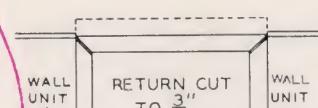
When moulding extends along side of unit (90° angle return) include $\frac{3}{8}$ " on each dimension, both width and depth, for overhang at corner of unit. Allow this dimension at each corner so treated. Example: with a standard wall unit, return will be $13\frac{1}{8}$ ". Designate returns left or right.



Corner wall unit requires moulding of special dimension as above both along front of unit and for returns. Notice that dimension for piece along front of corner wall varies, when free standing, from dimension needed when used with wall units adjoining on one or both sides.

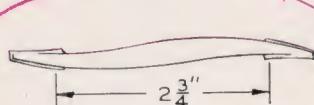


Trim moulding can be made in one piece in any length required up to 96" along front of units plus necessary returns for side of unit at one or both ends. When furring extends beyond

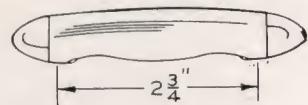


wall unit without change in height, trim moulding on return must be cut down to $\frac{3}{8}$ " to make snug fit. This may be done at the factory, but we recommend that it be done on the job. See price list for charge for each piece so handled at the factory. This cut not necessary if window height requires furring to be stepped up as indicated by dotted line above.

HANDLES
Handles are available in two designs. Standard drilling of each style is $2\frac{3}{4}$ " between centers.



No. 30-7 Standard handle: an exclusive design in cast chrome.

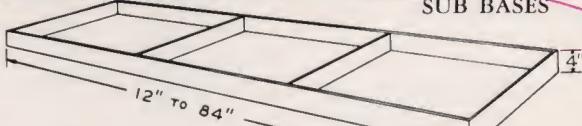


Alternate: an exclusive design of plastic with ends of chrome plated steel.

No. 86 — For use in horizontal position

No. 91 — For use in vertical position

SUB BASES



Except where otherwise specified, base units are not equipped with sub bases, but sub bases must be ordered separately according to needs of the floor plan.

12SB to 84SB inclusive.

Sub bases are made in any width from 12" to 84" inclusive. When ordering, show width by numeral of catalog number, for example, 31SB designates a sub base 31" wide. Widths through 42" have no cross member; from 42" through 72", one cross member; from 72" through 84", two cross members. Order sub bases as wide as possible up to maximum width of 84". Be sure to include width of fillers in calculating sizes of sub bases. FIVE STANDARD DEPTHS: $21\frac{3}{4}$ " deep for use with standard base units and full height units $24\frac{3}{4}$ " deep.

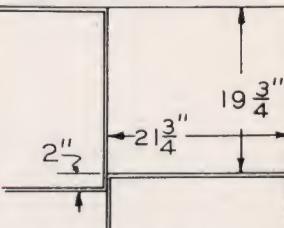
$17\frac{3}{4}$ " deep for use with sink front where pipes come through floor.

$14\frac{3}{4}$ " deep for use with recessed sink front.

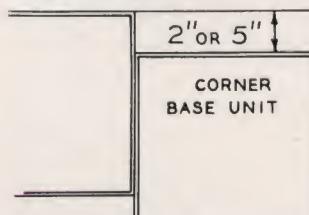
$9\frac{3}{4}$ " deep for use with full height units $12\frac{3}{4}$ " deep or with wall units when used as base units.

12" deep for use with divider unit, allowing toe space front and back.

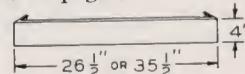
In ordering sub bases for L or U installations, allow overlap for bolting together in accordance with instructions below:



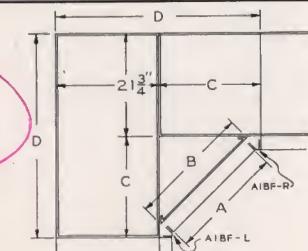
When ordering sub bases for L or U kitchens leaving corner space "dead", extend sub base for each elevation to distance from wall shown above.



In L or U kitchen, when corner base unit is used, order sub base under entire corner base unit to within 2" or 5" from wall as required by unit. See description of corner base units on page 3.

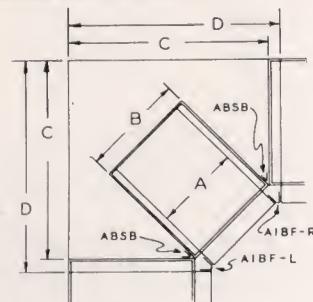


ASB — Sub base with angle flange for use under sink front on diagonal. Two widths only. $26\frac{1}{2}$ ASB with 24" sink front. $35\frac{1}{2}$ ASB with 33" sink front.



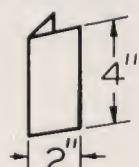
A	B	C	D
24	26 1/2	21	42 3/4
33	35 1/2	27 3/2	49 3/4

With Sink Front on Diagonal
Refer to diagram and table above. A shows size of sink front. Order sub base under sink front (ASB — with angle flange) according to dimension B. Extend sub base on one elevation to corner (C plus $2\frac{1}{4}$ "). Extend sub base on other elevation to make contact with first sub base (C). Four sections of bottom plate rest on these sub bases. Dimension D shows distance of base units on adjoining elevations from corner.



A	B	C	D
15	17 1/2	34 3/32	36 11/32
18	20 1/2	36 7/32	38 15/32
21	23 1/2	38 11/32	40 19/32

With Base Unit on Diagonal
Refer to diagram and table above. A shows size of base unit. Order standard sub base for unit in width indicated by B. Order two ABSB (angle bolting plates). Extend sub base on each wall to distance from corner shown in C. Dimension D shows distance of base units on adjoining elevations from corner.



ABSB — angle bolting plate for connecting sub base under base unit on diagonal with sub bases on adjoining elevations.

Normally sub bases extend to within 3" of front of the base units, providing toe space for comfortable position while standing at the counter. Sub bases may be ordered with grille insert at added cost for use under base unit in front of wall having warm air outlet.

Unless otherwise noted, accessories are designed to fit all standard units or any special units larger than minimum standard size. Accessories are available only in the sizes and construction shown.

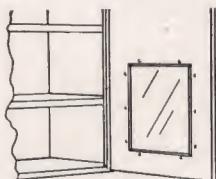


*SLS
*SLF

Sliding Sugar Bin — In wall units. Holds 14 lbs. $9\frac{3}{4}$ " x 9".

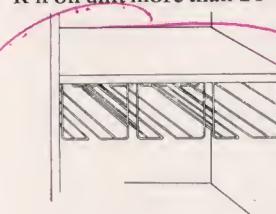
Sliding Flour Sifter Bin — Holds 9 lbs. $9\frac{3}{4}$ " x 9".

Note: Use of both SLF and SLS in one unit requires unit at least 27" wide.



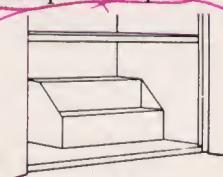
CM

Mirror — To be installed inside door of any wall or full height unit. Specify door L or R if on unit more than 21" wide.



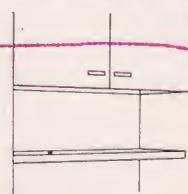
*CRW

Wire Cup Rack — Cups slide in, handles down. Width $4\frac{1}{4}$ ". Holds up to 5 cups.



*12S

Step Shelves or Spice Shelves for holding condiments and other small items. 12" wide only.

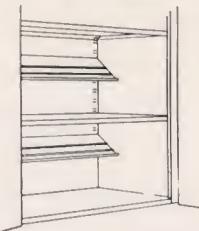


*US

Utility Shelf. For use between wall units. Enamored steel. Any width up to and including 42". Two depths, 6" and $11\frac{1}{4}$ ".

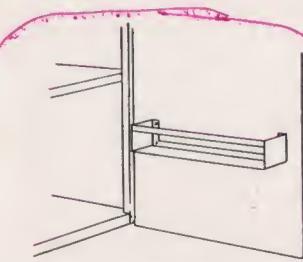
**Indicates accessories which may be added at any time. Other accessories must be installed at the factory or at the time kitchen is installed.*

ACCESSORIES FOR WALL UNITS



*CR

Glass or Cup Rack — Inserted over shelf clips in any standard wall unit. Width determined by width of unit for which ordered.



*WPR

Waxed Paper Rack — Attached to inside of door of units 18, 21 and 30" wide or wider. Holds any standard box of waxed paper up to $12\frac{1}{2}$ " long. On two-door unit, placed on right door unless otherwise specified.

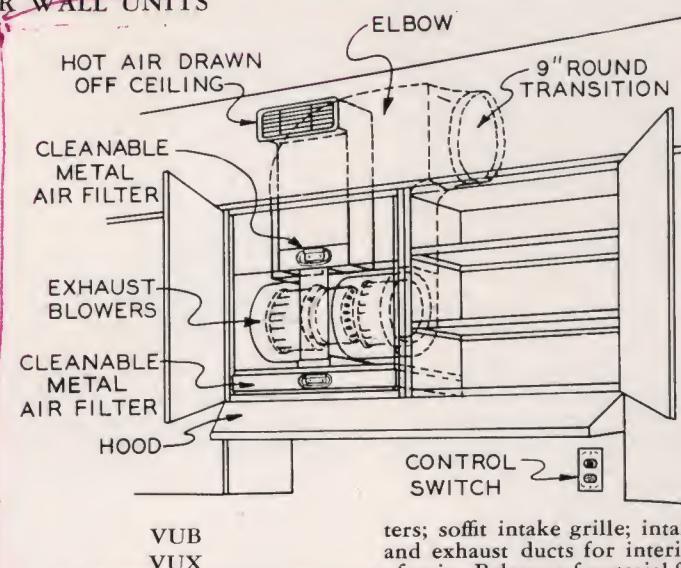


FLO

Fluorescent Light — white — for use in any wall unit 15" or more wide and 10" or more deep. Installed in recess in $1\frac{5}{8}$ " flush bottom with false bottom inside unit. Complete assembly easily removed for service or replacement. No exposed wires. In units up to 24" wide, tubes are 12" long; 8 watts. In units 24" or more wide and CW units, tubes are 18" long; 15 watts. Power factor corrected; has Underwriters' approval; accepted anywhere in U.S. AC furnished. DC available at extra cost. Includes one convenience receptacle.

Caution: Sheet metal screws in back of unit hold false bottom in place for shipment. Before unit is installed, remove these screws to facilitate electrical connection.

Wiring: Locate opening for BX cable or conduit 1" above bottom of wall unit and centered on unit. Check height and width of unit and location on wall before drilling hole in wall. Install BX before unit is mounted. Leave 6" to 10" of cable projecting for connection to BX connector in unit. For CW unit, leave 18" of BX projecting on either wall, but within 6" from corner and 8" above bottom of unit.



ters; soffit intake grille; intake and exhaust ducts for interior of unit. Balance of material for complete installation to be supplied on job.

VUX — Supplementary Material: Available at added cost: Elbow for exhaust duct which can be used either right or left; transition piece converting exhaust duct to a 9" round; wall shutter with transition piece from round duct; control switch and pilot.

Duct from top of unit to outside wall is not supplied by us. (9" round duct required) Face of furring must be 12" or more high.

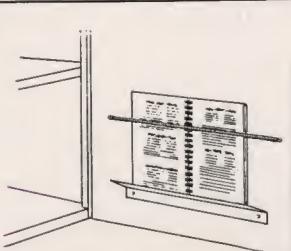
Roughing In. Opening for soffit intake grille $4\frac{3}{8}$ " x $10\frac{1}{8}$ ". Locate on face of furring $4\frac{1}{2}$ " from bottom of furring and centered on ventilator.

Cutout for duct in under side of furring $20"$ x $11\frac{1}{2}$ ". Centered above ventilator.

Opening for outside shutter $9\frac{1}{2}$ " high by $10\frac{1}{2}$ " wide.

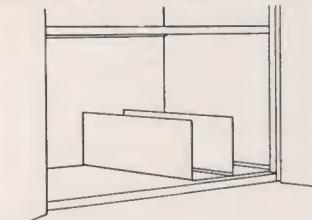
Location of Switch: On back wall between bottom of wall unit and top of range, preferably to one side or other of the top burners.

Wiring: Run BX from switch through wall to inside of soffit and bring through opening provided for ventilator in bottom of soffit and leave 24" of BX projecting.



*CBR

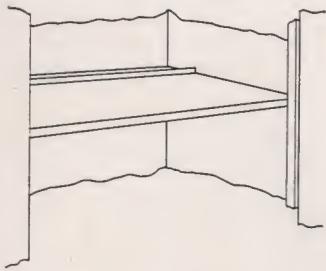
Cook Book Rack. Spring holds cook book open while following recipes. Ledge is of stainless steel. Attached to any wall unit having door 18" or more wide. In unit with two doors, placed on right door, unless otherwise specified.



*WUF

Wall Unit File. Movable file, 8" wide, having two compartments each 4" wide, formed by three flanges, two 5" high and one $1\frac{1}{2}$ " high. Placed in wall units to store tins, covers and similar articles on edge. As many files may be used as desired up to capacity of wall unit.

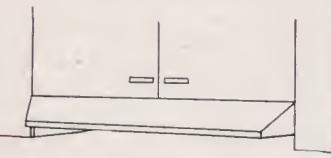
WALL ACCESSORIES CONT.



*PR

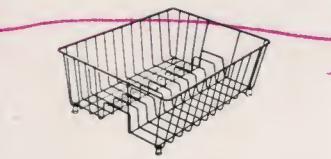
Plate Rail. Stainless steel rail fits over back of shelf and extends 2" towards front with front flange $\frac{1}{2}$ " high, providing support for plates. Width determined by width of unit for which ordered.

GENERAL ACCESSORIES AND EXTRAS



SSRH

Stainless Steel Range Hood. Made of satin finish stainless steel. Fits snugly beneath wall units above range. Hood $15\frac{3}{4}$ " deep. Front lip 4" high. Maximum width 54". For wider space use two hoods. Opening for vent may be cut into it at added cost.



*DD

Dish Drainer. Rubber covered; $12\frac{1}{4}$ " x $14\frac{1}{2}$ ". Available only in red.

Louvers. Set of three louvers in door of any unit 9" or more wide. Same as in top panel of sink front.

TL

Tumbler Locks. May be used on all doors and drawers. All locks keyed alike, unless otherwise specified.



*MGA

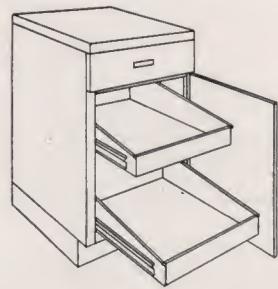
Meat Grinder Attachment. Fits tightly to edge of counter having $\frac{1}{2}$ " overhang.

ACCESSORIES FOR USE WITH BASE UNITS



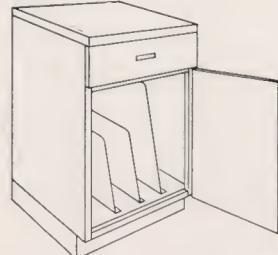
§VT

Sliding Ventilated Tray. For fruit or vegetable storage. Can be added to any standard E-18C, 36C or 36CD. Door louvered. §See note on page 4 re handle clearance.



§BSS

Sliding Shelves. Can be installed in any C base unit. One, two or three shelves. In units having VT, total of BSS and VT cannot exceed three. In units 36" or more wide, two half-width sliding shelves take the place of each full width shelf. When ordered with roller bearing slides, bearings will be at front of case slide only; no rear bearing; This applies to all units or accessories incorporating base sliding shelves. §See note on page 4 re handle clearance.



TSP

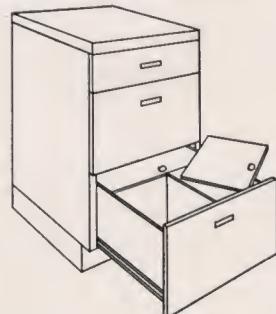
Tray Storage Panel. Panel fastened into bottom of regular C or CF base unit. Heights 12" and 20". Front edge of panels slant back at 16° angle. Panels should be minimum of 4" from side and not less than 4" apart. Specify number and height. Installed on hinged side of single door unit and right side of double door unit unless otherwise specified. Includes linowall lining.



*15BB

*18BB

Bread Box with hinged cover. To be used in deep drawers in 15" or 18" D units. See note under FMS below.

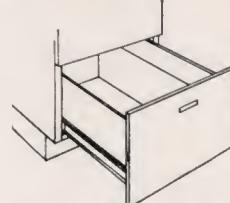


*15FMS

*18FMS

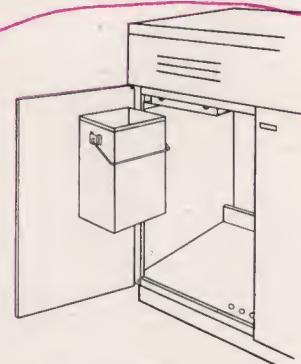
Flour, Meal and Sugar Bin, 3 separate containers with covers, to be used in deep drawers in 15" or 18" D units.

	15FMS	18FMS
Flour	20 lbs.	25 lbs.
Sugar	11 lbs.	16 lbs.
Meal	9 lbs.	11 lbs.



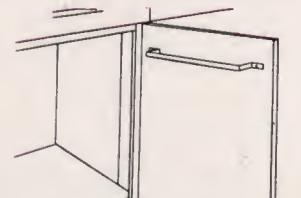
*ASR

Auxiliary Storage Rack. Attached to sink front door. Basket dimensions $9\frac{5}{8}$ " x $3\frac{5}{8}$ " x 4" deep. Rod extending 1" in front and parallel to front edge to hold dish cloths. In two door unit on right hand door unless otherwise specified. Not available with grille door.



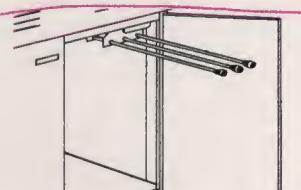
*GR

Refuse Receptacle. Heavy galvanized container slips in slot on inner side of sink front door. Ten-quart capacity. Easily removed. When door is closed, receptacle is covered by lid permanently attached to upper part of sink compartment. Left door only. Not available with recessed sink front or with grilled doors.



*TR

Towel Rod. To be attached to sink front door. Specify size of door. Installed on right hand door unless otherwise specified.

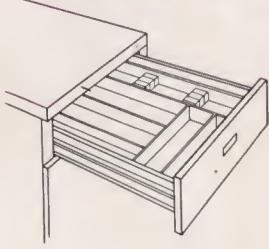


*STR

Sliding Towel Rack. Three rods of anodized aluminum tubing attached to sliding bracket. For use in sink compartment.

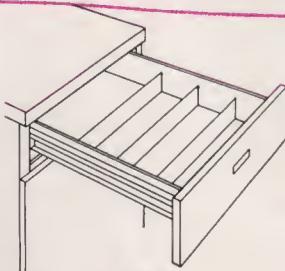
*Indicates accessories which may be added at any time. Other accessories must be installed at the factory or at time kitchen is installed.

ACCESSORIES FOR BASE UNITS (CONT)



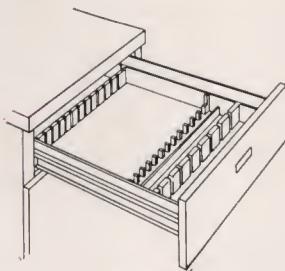
*15 CT
*18 CT

Cutlery Tray. Wooden insert for shallow drawers in units 15" and 18" wide. Made in these sizes only. Can be fitted to any wider drawer by using lengthwise dividers. Illustration shows 18" tray. 15" tray contains no knife block. Cannot be used in units less than 23" deep.



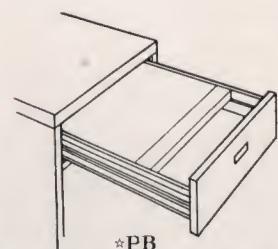
CWD

Crosswise Divider. Metal divider welded into 15", 18" or 21" shallow drawer only. Spaced 3½" apart. Maximum number three. Specify number required.



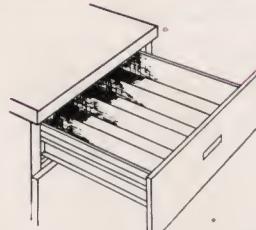
*SSI

Silver Storage Inserts. May be used in shallow drawer in 18" unit. Compartmented for storage of silverware and covered and lined with tarnish proof silver cloth. Same as in upper sliding shelves of SS unit. Cannot be used in units less than 23" deep.



*PB

Pastry Board. Inserted in shallow drawer of base unit. Available in 18", 21" and 24" units only.

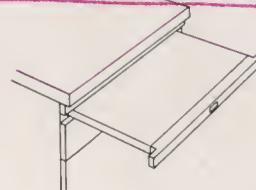


CD

Cutlery Drawer. Metal dividers welded into any shallow drawer. Two in 15 and 18", three in 21", 24" and 30". Room above for pastry board if desired. Linowall bottom liners.

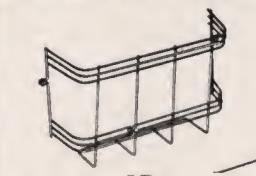
LD

Lengthwise Divider. Metal divider welded into any drawer. Number and position as desired, but not less than 3" apart. No linowall bottom lining in drawer unless specified.



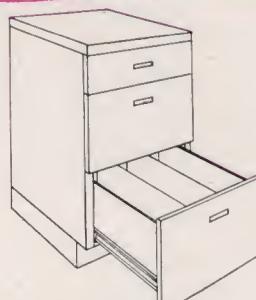
18 SCB
21 SCB

Sliding Cutting Board. Furnished only in 18" and 21" wide C and D units. Installed above 4" high top drawer which is equipped with cutlery dividers and linowall liners.



*LR

Lid Rack. For use in 18" Implement Unit only. Holds lids up to 10". Attached to inside of door. Cannot be used on other units, unless shelves are adjusted to allow clearance for rack and contents.

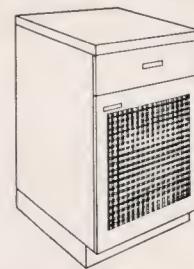


LTF

Lid and Tin File. Dividers to be installed in drawer-type units. Two dividers in 15" and 18" units. Three in 21", 24" and 30". Accommodates 9" maximum diameter. Includes linowall bottom lining. If used to store heavy utensils, such as skillets, roller bearing slides are recommended for drawer.

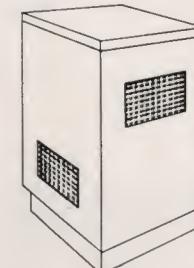
FOR USE WITH WALL OR BASE UNITS

The three illustrations below show base units but accessory is also available with wall units.



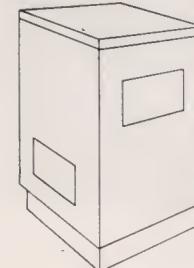
*GD

Grille Door. To replace standard door when needed for ventilation.



GI

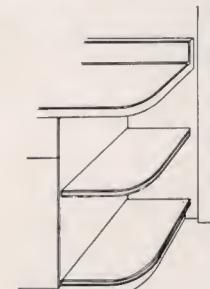
Grille Insert. Inserted in front, side or back of unit. Give exact location and dimension.



SO

Service Opening. Opening cut in side or back of units. Give exact location and dimensions.

linoleum or Vinyl, furnished only in two standard sizes — 6 x 11" with 3" radius and 11 x 11" with 6" radius. May be readily cut to smaller size on job. If Formica or Textolite, cannot be cut on job; specify exact size and radius. Use L and R to designate side of unit to which shelf is attached.

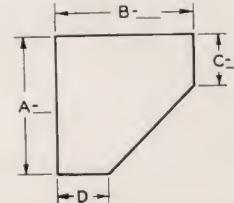
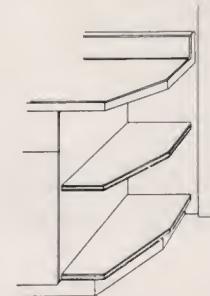


*BCL L

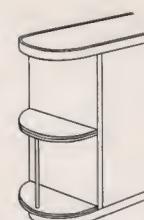
*BCL R

Base End Shelves. Two shelves and sub base. Covered on top side only. Covering same as counter material unless otherwise specified. Counter not included. Any size up to 24" x 24". Quarter round as above or diagonal as below.

Use L and R to designate side of unit to which shelves are attached. Shelves shown are R.



If diagonal, give dimensions A, B, C, and D (see detail) so shelves will line up with counter.

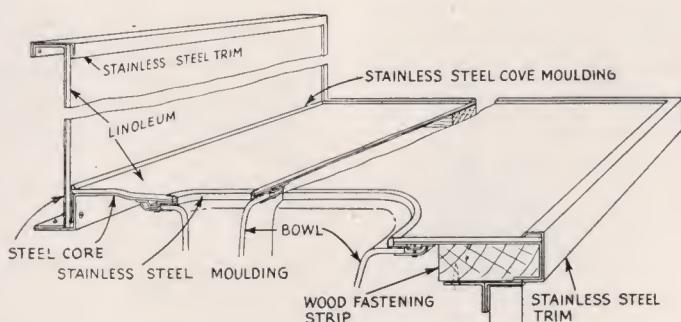


*BHL

Half Round End Shelves. Two shelves and sub base with heavy chrome support bar. Covered on top side only. Covering same as counter unless otherwise specified. Counter not included.

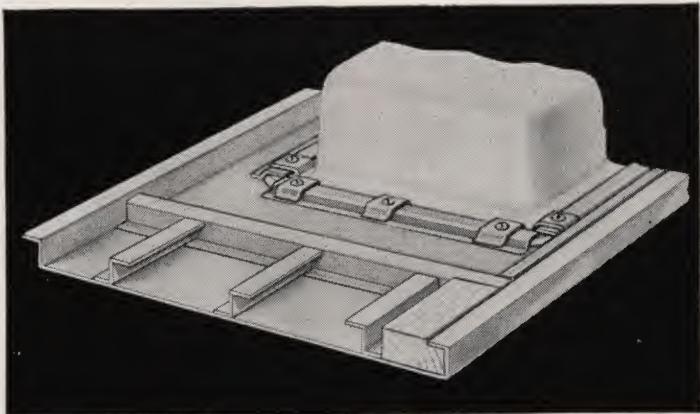
*See note page 8

LINOLEUM OR VINYL SINK TOPS AND COUNTERS



CONSTRUCTION
St. Charles linoleum and Vinyl sink tops are entirely custom built, to the dimensions required for the job, within the limits of standard specifications applying to all tops.
The base or core of the top is

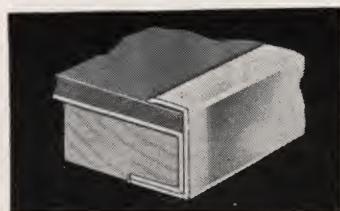
bowl cutout. This moulding has an extension base which projects under the reinforcing strip. The bowl is attached by a heavy steel clamp which is bolted to the reinforcing strip and the joint is sealed with a caulking compound.



of 17 gauge steel. After being sheared to the dimensions required, flanges are formed on front and back edge for rigidity. Backsplasher is later attached to rear flange. The flange at the front edge is channel shaped. If the top is to have end splashes, a Z shaped strip is welded at the ends to which end splashes are attached. Wood blocks are inserted in the front flange to which the base units may be attached. The core is reinforced on the bottom by Z shaped braces of 17 gauge steel. Linoleum or Vinyl is bonded to the core and splashes. Before the splash is bolted to the top, a stainless steel cove moulding is applied at the joint.

Linoleum is heavy duty, $\frac{1}{8}$ " thick in most patterns. Some patterns are available only in $\frac{3}{32}$ " thickness. Vinyl is a flexible thermoplastic material $\frac{3}{32}$ " thick of superior wear-resisting and stain-resisting qualities. Around the opening for the bowl is welded a 14 gauge reinforcing strip. A stainless steel moulding is applied to the edge of the covering material to match the shape of the

Stainless steel trim is raised $\frac{1}{16}$ " above the surface of the top, as shown below.



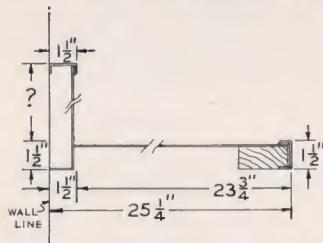
Counter tops are tops used on one or more base storage units not included as part of the sink assembly. Construction is the same as sink tops.

COUNTERS AS SNACK BARS

When counters are used as snack bars and are exposed underneath, a panel is attached to the under side of the top at an additional cost. If a leg is used to support such a top, the construction requires a leg bracket which is attached to the underside of the top at an added cost.

DIMENSIONAL DETAILS

Standard overall depth of top is $25\frac{1}{4}$ ". Other depths at added cost. Back splasher may



be any height. Other standard dimensions are shown above. Tops can be made in one piece as long as desired, subject to the following restrictions: (1) entry into the kitchen, (2) shipping facilities do not permit returns of a U top or the short side of an L top to be made longer than 96", (3) if the wall dimensions of a return of a linoleum top, unbroken by a stainless steel insert, is more than 72", there will be a seam in the linoleum. In Vinyl tops, the dimension of a return without seam is 36". Placement and type of seam is at our discretion. These restrictions are due to the maximum width of the respective materials. In ordering tops for units which are free standing at one or both ends, allow a minimum overhang of $\frac{1}{8}$ " at each end which is free standing.

STANDARD COLORS

Standard linoleum colors are No.

27	black
021	marbleized black
02	marbleized blue
39	red
027	marbleized red
21	green
08	marbleized green
032	marbleized white
018	marbleized gray
031	marbleized yellow
3113	Standard Vinyl colors are blue jaspe,
3321	terra cotta,
3325	terra cotta-white jaspe
3326	scarlet red
3327	Chinese red
3400	black
3424	black-white jaspe
3511	medium gray jaspe
3520	dark gray jaspe
3616	green-white jaspe
3801	canary yellow
3818	beige-brown jaspe
3902	cream

FAUCETS

Best quality faucets can be obtained only through plumbers; therefore, we recommend that faucets be obtained from plumbers who will install them and be responsible for service on them. As a convenience when desired, we will furnish faucets, but cannot be responsible for service on them. Faucet furnished is a one piece brass casting with 8" swinging spout of chrome plated brass. With or without spray.

BOWLS

Ledgeback bowls are standard for use in St. Charles sink tops. Each compartment is fitted with $3\frac{1}{2}$ " strainer. Specify three or four faucet holes.

CAST IRON PORCELAIN ENAMEL

Overall Size	Inside Dimensions
Single Compartment	16 x 22
21 x 24	16 x 22
Double Compartment	16 x 30
21 x 32	16 x 30
21 x 42	16 x 40

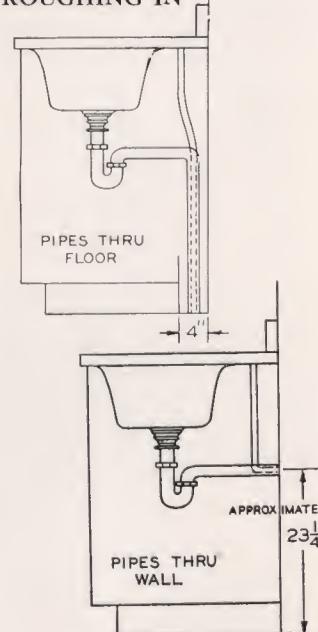
PRESSED STEEL PORCELAIN ENAMEL

Single Compartment	16 x 22
21 x 24	16 x 22
Double Compartment	16 x 30
21 x 32	16 x 30
21 x 42	16 x 39

Minimum length of sink top with single bowl is 30", if without end splasher. For each end splasher add 2". Minimum length of sink top with double bowl is 38" plus 2" for each end splasher.

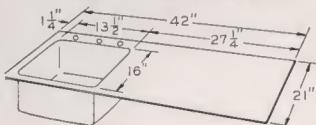
End of bowl cannot be closer than 3" to end of the top having no end splasher or closer than 5" to end of top with end splasher. In L or U top, end of bowl cannot be closer than $25\frac{1}{4}$ " to corner because of splice plate. Standard position of spray is at left. If other location is desired, specify. We cannot guarantee other position in cast iron or pressed steel bowls.

ROUGHING IN



OTHER MATERIALS

Sink tops and counters may also be made in stainless steel, Formica and Textolite. The two latter are plastic materials and are available in a wide variety of colors. For specifications see price lists issued for tops of these materials.

STAINLESS STEEL BOWLS
WITH DRAINBOARDS

Stainless steel bowl welded to flat, rectangular sheet of 18 gauge stainless steel with 14 gauge steel reinforcement plate, forming integral unit which is installed in linoleum, or Vinyl sink top in same way as bowl, as described on page 10. Available in sizes and arrangements shown below. Sink front must be at least one inch wider than inside bowl width. In single drainboard styles, L and R after catalog number designates position of bowl left or right.

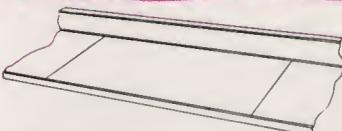
CAT. NO.	OVERALL SIZE	*INSIDE BOWL DIM.	DRAIN BOARD
SINGLE DRAINBOARD - SINGLE BOWL			
P 360-L	21x 42	16 x 13 1/2	27 1/4
P 361-L	21x 42	16 x 18	22 1/2
P 362-R	21x 42	16 x 13 1/2	27 1/4
P 363-R	21x 42	16 x 18	22 1/2
DOUBLE DRAINBOARD - SINGLE BOWL - CENTERED			
P 364	21x 54	16 x 13 1/2	20 1/4
P 365	21x 54	16 x 18	18
P 366	21x 60	16 x 13 1/2	23 1/4
P 367	21x 60	16 x 18	21
DOUBLE DRAINBOARD - DOUBLE BOWL - CENTERED			
P 368	21x 60	16 x 29 1/2	15 1/4
P 369	21x 60	16 x 39	10 1/2

*First numeral shows dimension from front to back.



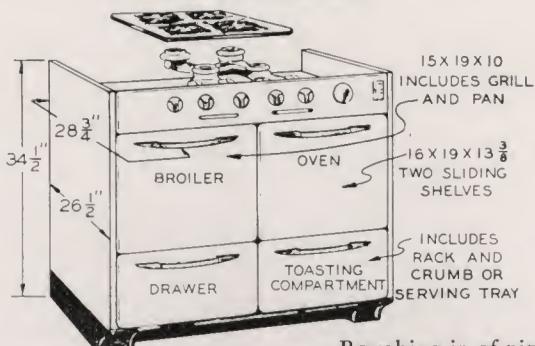
An auxiliary to main sink top or counter. In any length subject to shipping facilities and entry to the room up to maximum of 15 1/2 feet. Laminated construction. Made with or without splasher. If desired, splasher of our standard linoleum or Vinyl top construction may be attached to maple counter. Splasher of Formica or Textolite is not available. May be had with stainless steel trim on edge, provided top does not have radius smaller than 6" or more than one radius.

STAINLESS STEEL INSERTS

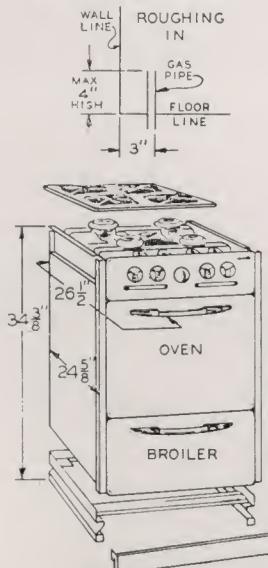


A stainless steel insert the same depth as top and of any width may be built into top at factory. Useful next to a free standing range and in construction of L or U return longer than 72" in a one piece top. A stainless steel insert, same height as splasher, may be built in back splasher in any width.

BUILT-IN RANGES

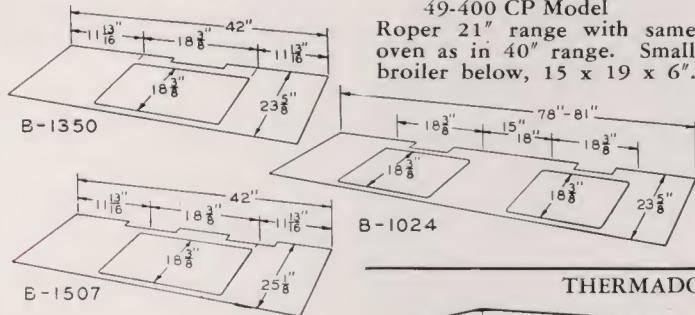


Roughing-in of pipes.



RANGE INSERTS

Built-in range with linoleum or Vinyl counter requires a stainless steel insert to be built



into the top at the factory. This provides opening for top burners with area on each side of burners for placement of hot utensils; also vent opening for oven and/or broiler. Includes stainless steel insert in back splasher. Available only with steel core top of our construction.

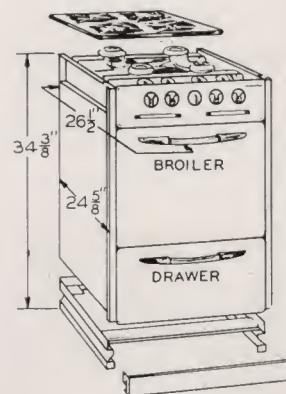
B-1350 Insert for use with 21" range — either 400 or 410, 25 1/4" deep only.

B-1507 Insert for use with 40" range — must be 26 3/4" deep only.

B-1024 Insert for use with two 21" ranges — two 400 or 410 or one of each. Made in two lengths; 78" for use when 15" base unit separates range units; 81" for use when 18" base unit is used between ranges. Specify which required. 25 1/4" deep only.

9-500 Standard
49-500 CP Model

Roper 40" range with oven and high broiler. Baking oven 16 x 19 x 13 3/8". Has two non-sagging, locking oven racks. Broiler has glo-type burner which produces infra-red rays that penetrate rapidly. Broiler size: 15 x 19 x 10". Broiler equipment includes grill, broiler pan and serving tray. Toasting compartment below oven has rack and crumb tray. Sub base attached. Note: This range requires top 26 3/4" deep. When used in corner of L or U installation allow 4 1/2" on adjacent return for clearance of oven and burner controls.

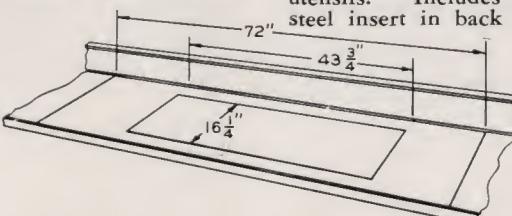
9-410 Standard
49-410 CP Model

Roper 21" range having large broiler in place of oven. Broiler same size and equipment as in 40" range. Storage drawer below. Note: The 400 and 410 models may be built in 25 1/4" deep top only. Separate sub base with removable front. When used in L or U kitchen in corner, allow 2 1/2" on adjoining elevation for clearance of burner and oven controls.

THERMADOR RANGE UNIT



E-46T A 46" cupboard base unit for use beneath the counter with blank panel replacing drawer customarily used at top. Drip trays may be readily removed when doors are open. Unit is centered beneath a 72" stainless steel insert installed



in counter. 72" insert is cut out to receive Thermador unit. Order unit and insert for counter as separate item.

Wiring: Locate outlet 25" from floor and centered on unit. Leave 30" of cable extending from wall for proper connection to Thermador range in accordance with instructions accompanying range. Range not included.

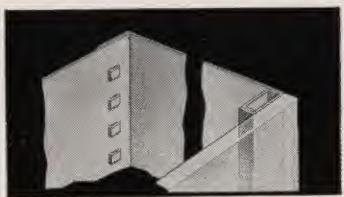
THERMADOR RANGE
INSERT

Built into counter at factory to receive Thermador Range. Provides 13" of space on each side of range for placing hot utensils. Includes stainless steel insert in back splasher.

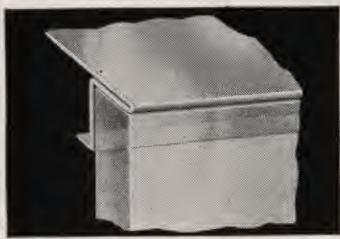
CONSTRUCTION AND SPECIFICATIONS

22 gauge: Sides of wall units; door and drawer front linings. Sides of base and full height units; drawer body and back; shelves; tops; unit backs.

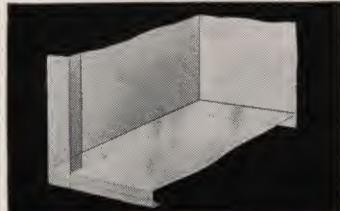
GENERAL CONSTRUCTION — Sides have flanges which are welded to the back. Top and bottom are made with flanges for welding to sides and back. Backs of units are flush and rest against wall giving support to units when mounted and avoiding drum effect caused by space between unit and wall.



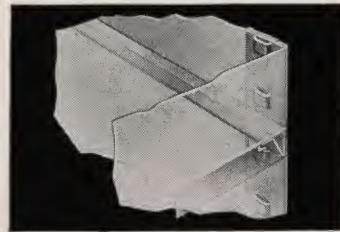
stile — Front edge of side formed by two 90° bends into U-shaped channel to which is welded U-shaped shelf support channel so as to form closed rectangular stile $1\frac{1}{4}'' \times \frac{1}{2}''$.



WALL UNIT TOP — The top extends to the front edge and is tightly folded back to a point equal to the thickness of the door. It then bends downward. Thus the top overhangs the door when closed, making a tight closure and resisting entrance of dust.



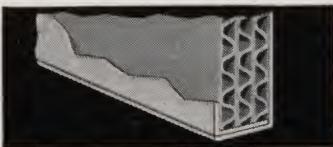
WALL UNIT BOTTOM — Bottom has a 1" flange on all sides. Bottom is welded to the sides and back through this flange. Front flange is bent downward and back to form bottom rail.



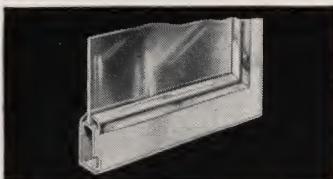
SHELVES — Into the channels in the vertical stiles are embossed self support louvers at intervals of $1\frac{1}{2}''$. Louvers to correspond are embossed into the back of the unit. Cadmium plated shelf supports or clips are inserted in these louvers at the desired points. Front and rear edges of the shelf are formed into a 30-degree triangular truss with extended lip

20 gauge: Drawer slides; wall unit bottoms; door and drawer fronts; base unit bottoms.
18 gauge: Gussets; cross rails.
18 gauge terne plate: Case slides.

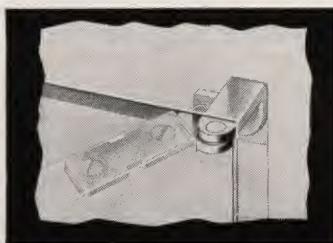
welded to the shelf bottom. This triangular truss rests in the shelf clips. When weight is applied, the shelf settles to the bottom of the clip. This spaces shelves evenly and prevents contact between shelves and the sides making for sturdiness and quietness.



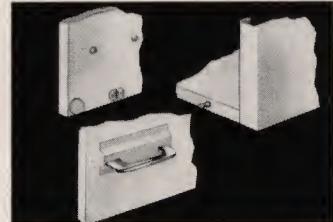
DOORS — Two full-sized panels are telescoped, one inside the other, so as to form a door $\frac{5}{8}''$ thick with flush surface on both sides. Liner is welded to front panel. Before welding, entire panel is tightly filled with sound-deadening material.



GLASS DOORS — These are made in the same manner as solid doors, except that the space for glass is cut out, inside edge beveled and a 20 gauge channel reinforcement is inserted in the inner panel. This provides a foundation for stainless steel moulding strips to hold the glass. This moulding also has a bevel edge to conform with outside panel, making a smooth, flush exterior and interior surface.



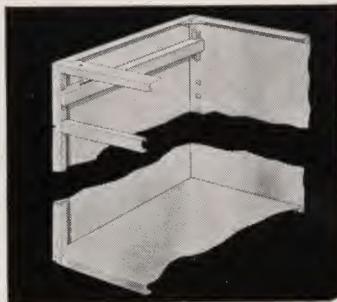
HINGES — These are made of 14 gauge high carbon steel, chromium plated. One arm of hinge is fastened inside of the top bottom. The other arm is inserted into the door and fastened with flat-head countersunk screws. This makes the hinge virtually invisible except for the pivot. Center line of the pivot extends $\frac{1}{2}''$ beyond the face of the unit and allows door to swing open the full 180 degrees.



CATCH — Catch housing in door contains two vertically mounted, full floating springs, alloy coated to reduce friction. Strike, attached to unit is of cadmium plated, hardened steel. Springs expand, with roller action, on

engaging strike, thus virtually eliminating friction wear on strike. A 1" round rubber bumper is inserted in door at top and bottom where it comes in contact with unit.

HARDWARE — Doors have a handle reinforcement between the front and the liner so that when handles are mounted, they do not cause the door to buckle or cave.



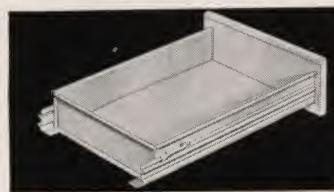
or square edges, is spot-welded to the side of the drawer body. This operates in conjunction with an 18 gauge lead covered channel-shaped case slide attached to inside of cabinet. This case slide is first inserted in a formed angle that is spot-welded to the back, then fitted, adjusted, and anchored in place at the front by a sheet metal screw and bolt through side of the stile.



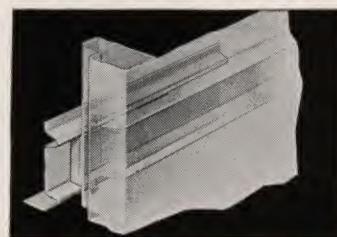
DRAWER STOP — Drawers are equipped with a freely-operating, easily-accessible drawer stop made of 14 gauge steel cadmium plated. Positive in operation, yet a slight touch releases it.



FULL HEIGHT UNITS — These have same general construction as wall units except that they have an 18 gauge cross rail where upper and lower doors meet. In utility cabinets, shelf and cross rail are in one piece and of 22 gauge steel.



DRAWERS — Sides and bottom of drawers are formed of one sheet of steel with flanges at the front extending outward from sides and downward from bottom. Drawer fronts are made the same as door fronts. Drawer body is attached to the liner by means of the flanges on sides and bottom. Back is spot-welded to sides and bottom through flanges projecting to the rear, leaving inside of the drawer free from flanges or sharp edges. Tops of the sides are rolled to eliminate sharp edges.



DRAWER SLIDE — A specially formed drawer slide, without sharp

edges, is spot-welded to the side of the drawer body. This operates in conjunction with an 18 gauge lead covered channel-shaped case slide attached to inside of cabinet. This case slide is first inserted in a formed angle that is spot-welded to the back, then fitted, adjusted, and anchored in place at the front by a sheet metal screw and bolt through side of the stile.

COLOR — Finish is white unless otherwise specified. Available at extra cost are four standard exterior colors — sunny yellow, sea green, shell pink and mist gray. Wall units may be finished in differing interior and exterior colors at extra cost; in addition to above colors, red and blue are also available for interiors only at additional cost. Base units not available in differing interior and exterior colors. If wall and base units are of different colors, specify color of full height units.

NAME OF DEALER

CONSTRUCTION AND SPECIFICATIONS

22 gauge: Sides of wall units; door and drawer front linings. Sides of base and full height units; drawer body and back; shelves; tops; unit backs.

20 gauge: Drawer slides; wall unit bottoms; door and drawer fronts; base unit bottoms.
18 gauge: Gussets; cross rails.
18 gauge terne plate: Case slides.

GENERAL CONSTRUCTION — Sides have flanges which are welded to the back. Top and bottom are made with flanges for welding to sides and back. Backs of units are flush and rest against wall giving support to units when mounted and avoiding drum effect caused by space between unit and wall.

welded to the shelf bottom. This triangular truss rests in the shelf clips. When weight is applied, the shelf settles to the bottom of the clip. This spaces shelves evenly and prevents contact between shelves and the sides making for sturdiness and quietness.

engaging strike, thus virtually eliminating friction wear on strike. A 1" round rubber bumper is inserted in door at top and bottom where it comes in contact with unit.

HARDWARE—Doors have a handle reinforcement between the front and the liner so that when handles are mounted, they do not cause the door to buckle or cave.

or square edges, is spot-welded to the side of the drawer body. This operates in conjunction with an 18 gauge lead covered channel-shaped case slide attached to inside of cabinet. This case slide is first inserted in a formed angle that is spot-welded to the back, then fitted, adjusted, and anchored in place at the front by a sheet metal screw and bolt through side of the stile.



— Drawers are a freely-operating,rawer stop made of mium plated. Pos yet a slight touch



ING DRAWERS — available with roller equipment at a cost. Three bearings side: two at the rear tide and one at the slide, providing connt contact for each

yield marks on exre polished off. All are removed and the ally cleaned by dipr vat containing tri. This removes all traces the cabinet clear cabinet is then thor with a tack rag to reast particles. A seal enamel is sprayed on half hour at 300 deern conveyor oven. ded smooth, a finishlity synthetic enamel d baked one-half hour erature. Both inside finished in this way. ficiently hard to resist cause of certain vegetthe enamel, it is very ble as well as smooth appearance. It will not chip under accidental

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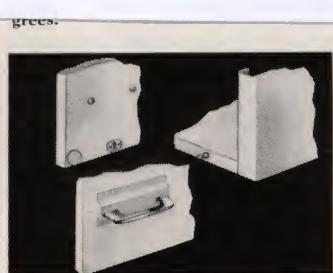
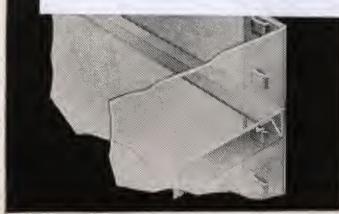
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DRAWER SLIDE — A specially formed drawer slide, without sharp

SHELVES—Into the channels in the vertical stiles are embossed self support louvers at intervals of 1½". Louvers to correspond are embossed into the back of the unit. Cadmium plated shelf supports or clips are inserted in these louvers at the desired points. Front and rear edges of the shelf are formed into a 30-degree triangular truss with extended lip

CATCH—Catch housing in door contains two vertically mounted, full floating springs, alloy coated to reduce friction. Strike, attached to unit is of cadmium plated, hardened steel. Springs expand, with roller action, on

to above colors, red and blue are also available for interiors only at additional cost. Base units not available in differing interior and exterior colors. If wall and base units are of different colors, specify color of full height units.

NAME OF DEALER